

Student Name: \_\_\_\_\_ Class: \_\_\_\_\_

**Student Worksheet for Step 6:  
Questions You Would Ask  
on a Field Expedition to a Possible Impact Crater**

Identifying what might be an impact crater in a satellite image is only the first step in identifying it with 100 percent certainty. That requires people making a field expedition to gather and study evidence at the site itself.

Field expeditions cost money. Getting money nearly always requires writing excellent grant proposals. You have to prove you understand the science and know what you're doing before people will give you the money to do it.

**Your task** is to write a series of questions you would use to guide a field expedition to determine whether or not a given landform was an impact crater.

You will do well on this learning assessment if you:

- Show evidence that you have a full and complete understanding of how an impact event can shape the land, soil, and surrounding rocks, as well as the atmosphere and living things;
- Use terminology accurately;
- Explain your ideas in ways that makes sense;
- Use complete sentences.